

Amendments to the Claims

The following listing of claims replaces all previous versions and listings of the claims.

Listing of Claims:

1. (Currently amended) A method comprising steps of:
 - (a) accelerating a medium at a first acceleration rate ~~to a first velocity~~;
 - (b) subsequently accelerating the medium at a second acceleration rate to a ~~second target~~ velocity; and
 - (c) moving a transducer over the medium from a parked position ~~responsive to a~~ during one of the first velocity and second velocity accelerating steps (a) and (b) when a medium velocity is less than the target velocity.
2. (Currently amended) A method as defined in claim 1, wherein the ~~second target~~ velocity is a final rotational velocity creating and maintaining an air bearing as the transducer radially traverses the medium between an inner diameter and an outer diameter.
3. (Previously presented) A method as defined in claim 2, further comprising the step of accelerating the medium at at least one more acceleration rate between accelerating steps (a) and (b).
4. (Currently amended) A method as defined in claim 2, wherein:
the accelerating step (a) comprises accelerating the medium at the first acceleration rate between an initial time corresponding to an initial rotational velocity and a first predetermined time ~~corresponding to the first velocity~~; and
the accelerating step (b) comprises accelerating the medium at the second acceleration rate between the first predetermined time and a second time corresponding to the ~~second~~ final velocity.
5. (Previously presented) A method as defined in claim 1, wherein the moving step (c) comprises a step of displacing the transducer from a landing zone.

6. (Currently amended) A method as defined in 1, wherein the ~~first velocity is~~ moving step occurs at an early exit velocity creating an air bearing as the transducer exits ~~the~~ a landing zone.

7. (Previously presented) A method as defined in claim 6 further comprising a step of (d) accelerating the medium at a third acceleration rate between the first and second acceleration rates.

Claims 8-12 (Canceled).

13. (Currently amended) An apparatus including circuitry and executable program instructions that are configured to perform ~~a method~~ an exit sequence comprising steps of:

- (a) accelerating a storage disc to a first rotational velocity;
- (b) accelerating the storage disc after achieving the first rotational velocity to a second rotational velocity; and
- (c) as the storage disc rotates at ~~a one~~ any of the group consisting of the first rotational velocity and the second rotational velocity, moving a transducer from a landing zone to a region of the storage disc.

14. (Previously presented) An apparatus as defined in claim 13, wherein the second rotational velocity is a final rotational velocity creating and maintaining an air bearing as the transducer radially traverses across the disc between an inner diameter and an outer diameter.

15. (Currently amended) An apparatus as defined in claim 14, wherein the exit sequence is characterized by:

accelerating the storage disc to the first rotational velocity at first acceleration rate
from;

accelerating the storage disc to the second rotation velocity at a second acceleration rate.

16. (Currently amended) An apparatus as defined in claim 14, wherein: the accelerating step (a) comprises accelerating the storage disc at a first acceleration rate between an initial time corresponding to an initial rotational velocity and a first predetermined time ~~corresponding to the first rotational velocity~~; and the accelerating step (b) comprises accelerating the storage disc at a second acceleration rate between the first predetermined time and a second time corresponding to the second rotational velocity.

17. (Currently amended) An apparatus as defined in claim 16, wherein the moving step (c) ~~of the method~~ comprises a step of displacing the transducer from the landing zone.

Claim 18 (canceled).

19. (Currently amended) An apparatus as defined in claim 15, wherein the ~~method~~ exit sequence further comprises a step of (d) accelerating the storage disc at a third acceleration rate between the first and second acceleration rates.

Claims 20-24 (canceled).

25. (Previously presented) An apparatus comprising:
a transducer attached to an actuator arm and parkable on a landing zone on a surface of a medium, the transducer being operable to move over the surface of the medium as the medium reaches a desired velocity; and
circuitry for accelerating the medium at multiple acceleration rates to corresponding velocities, wherein one of said velocities is the desired velocity.

26. (Previously presented) An apparatus as defined in claim 25 wherein the transducer is moved from the landing zone over the medium responsive to the desired velocity.

27. (Currently amended) An apparatus as defined in claim 26, wherein the ~~threshold rotational~~ desired velocity is a final rotational velocity creating and maintaining an air bearing between the transducer and the surface of the disc as the transducer radially traverses across the disc between an inner diameter and an outer diameter.

28. (Currently amended) An apparatus as defined in claim 26, wherein the ~~threshold rotational~~ desired velocity is an early exit velocity creating an air bearing between the transducer and the surface of the disc as the transducer exits the landing zone and accesses the data region.

29. (Currently amended) The method of claim 1 wherein the first acceleration rate is greater than the second acceleration rate.

30. (Canceled)

31. (Currently amended) The method of claim 1 wherein the step of moving is responsive to the medium rotating at the ~~second~~ target velocity.

32. (Currently amended) The apparatus of claim 13 wherein the transducer is moved responsive to the storage disc rotating at the ~~threshold~~ second rotational velocity.

33. (Previously presented) The apparatus of claim 13 wherein the transducer is moved responsive to the storage disc rotating at the first rotational velocity.

34. (Previously presented) The apparatus of claim 13 wherein the accelerating step (a) accelerates the storage disc at a first acceleration rate to the first rotational

velocity and the accelerating step (b) accelerates the storage disc at a second acceleration rate to the second rotational velocity.

35. (New) A method comprising:
accelerating a medium in accordance with a predetermined acceleration profile to
achieve a target medium velocity; and
moving a transducer over the medium from a parked position when an
instantaneous medium velocity is less than the target medium velocity.